

## WHAT IS CLAIMED IS:

1 1. An optical disc reproducing apparatus  
2 comprising,  
3 a housing,  
4 a reading section which is disposed inside said  
5 housing, and reads data recorded on an optical disc,  
6 a storing section which stores the data read  
7 by said reading section,  
8 a reproducing section which reproduces the  
9 data stored in said storing section,  
10 a reference discal unit which is disposed  
11 outside said housing and is rotated at a  
12 predetermined reference rotational speed and in a  
13 predetermined reference rotational direction,  
14 an operation discal unit which is mounted on  
15 said reference discal unit to rotate together with  
16 said reference discal unit, and is capable of  
17 rotating in a desired rotational direction at a  
18 desired rotational speed according to a user's  
19 manipulation,  
20 a detection discal unit which is accommodated  
21 in said housing, and is connected with said  
22 operation discal unit to rotate in sync with the  
23 rotation of said operation discal unit,  
24 a first detecting section which is disposed

25 inside said housing, and detects a rotational speed  
26 and rotational direction of said detection discal  
27 unit,

28 a second detecting section which is disposed  
29 outside said housing, and detects a rotational speed  
30 and rotational direction of said reference discal  
31 unit, and

32 a control section which determines the  
33 rotational speed and rotational direction of said  
34 detection discal unit based on each detected result  
35 from said first detecting section and said second  
36 detecting section, and controls said reading  
37 section, said storing section and said reproducing  
38 section, so that a data reproduction desired by the  
39 user is performed.

1 2. The optical disc reproducing apparatus according  
2 to claim 1, wherein,

3 said control section gives a control to read  
4 the data stored in said storing section at a  
5 predetermined reference reading speed and in a  
6 predetermined reference reading sequence, when it  
7 is determined that said detection discal unit is  
8 rotating at said reference rotational speed and in  
9 said reference rotational direction, and

10 said control section gives a control to read

11 the data stored in said storing section at the  
12 reading speed and in the reading sequence according  
13 to a detected result from said first detecting  
14 section, when it is determined that said detection  
15 discal unit is not rotating at said reference  
16 rotational speed in said reference rotational  
17 direction.

1 3. The optical disc reproducing apparatus according  
2 to claim 1, wherein,  
3 the reference discal unit has a cross-section  
4 of concave shape, and with the concave shaped  
5 portion of said reference discal unit, said second  
6 detecting section is protected from outside.

1 4. An operating apparatus for optical disc  
2 reproduction comprising,  
3 a housing,  
4 a discal unit which is disposed outside said  
5 housing and is rotated at a predetermined rotational  
6 speed and in a predetermined rotational direction,  
7 an operation discal unit which is mounted on  
8 said discal unit to rotate together with said discal  
9 unit, and is capable of rotating in a desired  
10 rotational direction at a desired rotational speed  
11 according to a user's manipulation,

12           a detection discal unit which is accommodated  
13   in said housing, and is connected with said  
14   operation discal unit to rotate in sync with the  
15   rotation of said operation discal unit,

16           a first detecting section which is disposed  
17   outside said housing, and detects the rotational  
18   speed and rotational direction of said discal unit,

19           a second detecting section which is disposed  
20   inside said housing, and detects the rotational  
21   speed and rotational direction of said detection  
22   discal unit, and

23           a control section which controls a processing  
24   of data recorded on an optical disc in an optical  
25   disc reproducing apparatus being connected  
26   externally, according to each detected result from  
27   said first detecting section and said second  
28   detecting section, so that a data reproduction  
29   desired by a user is performed.